



ADVANCED ARCHITECTURAL GRILLEWORKS

Creating Artistry in Architectural Grilles & Metal

BAR GRILLE PERFORMANCE DATA - SUPPLY***

BAR GRILLE STYLE: AAG100 & AAG110					
1/8" BLADES, 3/8" O.C., 0 DEGREE DEFLECTION					
UNIT WIDTH	DUCT VELOCITY – F.P.M.	200	400	600	800
	PRESSURE DROP – I.W.G.	0.01	0.04	0.09	0.15
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	25	33
	THROW**	12	16	19	20
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	26	34
	THROW**	14	19	24	26
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	29	36
	THROW**	17	24	28	31

BAR GRILLE STYLE: AAG200 & AAG220					
1/4" BLADES, 1/2" O.C., 15 DEGREE DEFLECTION					
UNIT WIDTH	DUCT VELOCITY – F.P.M.	200	400	600	800
	PRESSURE DROP – I.W.G.	0.01	0.02	0.05	0.09
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	26	33
	THROW**	13	15	18	20
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	28	36
	THROW**	14	18	22	24
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	29	37
	THROW**	16	21	26	29

BAR GRILLE STYLE: AAG300 & AAG330					
1/4" BLADES, 1/2" O.C., 0 DEGREE DEFLECTION					
UNIT WIDTH	DUCT VELOCITY – F.P.M.	200	400	600	800
	PRESSURE DROP – I.W.G.	0.01	0.04	0.09	0.16
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	L	32
	THROW**	12	15	17	19
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	26	35
	THROW**	14	18	21	23
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	28	36
	THROW**	15	21	25	28

BAR GRILLE STYLE: AAG400					
1/8" BLADES, 3/8" O.C., 16 DEGREE DEFLECTION					
UNIT WIDTH	DUCT VELOCITY – F.P.M.	200	400	600	800
	PRESSURE DROP – I.W.G.	0.01	0.02	0.05	0.09
4"	CFM/FOOT	67	133	200	267
	NC*	L	L	26	33
	THROW**	13	15	18	20
8"	CFM/FOOT	133	267	400	533
	NC*	L	L	28	36
	THROW**	14	18	22	24
12"	CFM/FOOT	200	400	600	800
	NC*	L	L	29	37
	THROW**	16	21	26	29

*SOUND DATA BASED ON A 4 FOOT GRILLE.

"L" DESIGNATES SOUND RATING OF LESS THAN 25 NC. (NC = NOISE CRITERION)

SOUND CORRECTION FOR LENGTH	
LENGTH, FT.	ADDITIONAL db
4	0
8	3
12	5
16	6
24	8
40+	10

** THROWS ARE BASED ON A 4 FOOT SILL GRILLE AND 100 F.P.M. VT.

*** FOR RETURN GRILLE PERFORMANCE, THE PRESSURE DROP AND NC LEVELS ARE APPROXIMATELY THE SAME AS FOR SUPPLY